



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

Material name	CH193A
Use of the preparation	Inkjet printing.
Version #	01
Revision date	03-18-2009
CAS #	Mixture
Synonym(s)	ColorSpan 0900460-003
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-1501
	Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomerinquiries@hp.com
Date prepared	Mar 18, 2009
MSDS number	375652

## 2. Hazards Identification

Acute health effects	
Skin contact	Contact with skin may result in irritation. Avoid contact with the skin.
Eye contact	Contact with eyes may result in irritation. Avoid contact with eyes.
Inhalation	Inhalation may result in respiratory irritation.
Potential health effects	
Routes of exposure	Potential routes of overexposure to this product are skin and eye contact.

## 3. Composition / Information on Ingredients

Component/substance	CAS number	% by weight
1,2-Hexanediol	6920-22-5	<10
Dyes	Proprietary	<5
Minor Ingredients		<2
Water	7732-18-5	Balance
Composition comments	This product is highly soluble in water.	

## 4. First Aid Measures

First aid procedures	
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops or persists.
Skin contact	In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse.
Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest. If symptoms persist, get medical attention.



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<b>Ingestion</b>	Rinse mouth out with water. Give several glasses of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. If symptoms persist, get medical attention.
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## 5. Fire Fighting Measures

<b>Flash point and method</b>	Not flammable
<b>Hazardous combustion products</b>	Decomposition of this product may yield oxides of sulfur and nitrogen.
<b>Flammable properties</b>	The product is not flammable.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Use any media suitable for the surrounding fires.
<b>Unusual fire and explosion hazard</b>	The product is not flammable.
<b>Protection of firefighters</b>	
<b>Protective equipment and precautions for firefighters</b>	Wear suitable protective equipment.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Avoid contact with skin. Do not touch or walk through spilled material. Use personal protective equipment to minimize exposure to skin and eye.
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for cleaning up</b>	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Clean up in accordance with all applicable regulations. Clean-up methods - small spillage; Flush area with flooding quantities of water.

## 7. Handling and Storage

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use personal protective equipment as required. Use only with adequate ventilation. When using, do not eat, drink or smoke.
<b>Storage</b>	Keep tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Do not handle or store near an open flame, heat or other sources of ignition. Keep out of the reach of children.

## 8. Exposure Controls / Personal Protection

<b>Personal protective equipment</b>	
<b>General</b>	Eye wash fountain and emergency showers are recommended.
<b>Eye / face protection</b>	Wear safety glasses; chemical goggles (if splashing is possible).
<b>Skin protection</b>	Wear appropriate chemical resistant gloves.
<b>Respiratory protection</b>	No personal respiratory protective equipment required under normal conditions of use. Provide adequate ventilation.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse.

## 9. Physical & Chemical Properties

<b>Color</b>	Yellow
<b>Odor</b>	mild solvent
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Liquid.
<b>Form</b>	Aqueous solution.



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pH	7 - 8
Melting point	< 32 °F (< 0 °C)
Freezing point	Not available.
Boiling point	> 212 °F (> 100 °C)
Flash point	Not flammable
Evaporation rate	Not available.
Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	Not available.
Relative density	1.03 g/cm³
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
VOC	82.4 g/L

## 10. Chemical Stability & Reactivity Information

Chemical stability	Stable under normal storage conditions.
Conditions to avoid	Avoid high temperatures.
Incompatible materials	Strong oxidizing agents.

## 11. Toxicological Information

Local effects	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Carcinogenicity	None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.

## 12. Ecological Information

Ecotoxicity	The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected.
Persistence and degradability	Not available.

## 13. Disposal Considerations

Disposal instructions	Dispose of in compliance with federal, state, and local regulations. Do not allow this material to drain into sewers/water supplies.
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## 14. Transport Information

### IATA

Not regulated as dangerous goods.

General	Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.
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## 15. Regulatory Information

US federal regulations	US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.
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## CERCLA (Superfund) reportable quantity

None

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
Section 302 extremely hazardous substance	No
Section 311 hazardous chemical	No

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## 16. Other Information

HMIS® ratings	Health: 1 Flammability: 0 Physical hazard: 0 Personal protection: B
NFPA ratings	Health: 1 Flammability: 0 Instability: 0
Issue date	Mar 18 2009 6:02AM
Revision	1
Disclaimer	This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

## Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds



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**Manufacturer information**

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